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Attorney's Docket No. 042390P10254

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Amclt  
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7-31-02  
apj

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Valery M. Dubin, et al.

Serial No. 09/753,256

Filed: December 28, 2000

For: **Interconnect Structures and a Method of  
Electroless Introduction of Interconnect  
Structures**

Examiner: Thai, Luan C.

Art Unit 2827

RESPONSE TO OFFICE ACTION

Box Amendments - No Fee  
Assistant Commissioner for Patents  
Washington, D.C.

Dear Sir:

In response to the Office Action mailed April 24, 2002, Applicants respectfully request entry of the following amendments.

IN THE CLAIMS

Please cancel claims 2 and 3.

Please amend the following claims:

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B1 SUB  
DI

1. (Amended) A method comprising:  
forming a portion of an interconnect structure in an opening through a dielectric over a contact point; and  
forming a conductive shunt structure adjacent the portion of the interconnect structure through a chemically-induced oxidation-reduction reaction comprising introducing a shunt material precursor in the presence of an alkaline metal-free reducing agent.

2. (Amended) The method of claim 1, wherein forming the shunt structure comprises introducing the shunt material precursor in the presence of a non-metallic chelating agent.

3. (Amended) The method of claim 1, further comprising:

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2813

PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application No.	09/753,256
		Filing Date	December 28, 2000
		First Named Inventor	Valery M. Dubin
		Group Art Unit	2813
		Examiner Name	Nguyen, Tuan H.
Total Number of Pages in This Submission	12	Attorney Docket Number	42390P10254

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Return receipt postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	William Thomas Babbitt, Reg. No. 39,591 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	<i>William T. Babbitt</i>
Date	7/8/02

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:			
Typed or printed name	Nedy Calderon		
Signature	<i>Nedy Calderon</i>	Date	7/8/02

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**PEE TRANSMITTAL**  
for FY 2002

*Patent fees are subject to annual revision.*

☐ Applicant claims small entity status. See 37 CFR 1.27.

<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\$)</b>	<b>0.00</b>
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**Complete if Known**

Application Number	09/753,256
Filing Date	December 28, 2000
First Named Inventor	Valery M. Dubin
Examiner Name	Nguyen, Tuan H.
Group/Art Unit	2813
Attorney Docket No.	42390P10254

**METHOD OF PAYMENT** (check one)

☐ Check   
 ☐ Credit card   
 ☐ Money Order   
 ☐ Other   
 ☒ None

☒ Deposit Account

Deposit Account Number	02-2666
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Deposit Account Name	Blakely, Sokoloff, Taylor & Zafman LLP
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**The Commissioner is authorized to: ( check all that apply)**

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

☐ Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	

## 2. EXTRA CLAIM FEES

	Claims	below	Fee/Paid
Total Claims	30	32 <sup>2</sup>	0
Independent Claims	3	3 <sup>2</sup>	0
Multiple Dependent			

Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple Dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
		<b>SUBTOTAL (2)</b>		<b>(\$)</b> <b>0.00</b>

**\*\*or number previously paid, if greater. For Reissues, see below**

**FEE CALCULATION (continued)**

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920 *	112	920 *	Requesting publication of SIR prior to Examiner action	
113	1,840 *	113	1,840 *	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

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Other fee (specify)

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) 

## SUBMITTED BY

Name (Print/Type)	William Thomas Babbitt
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Registration No.  
(Attorney/Agent)

Complete (if applicable)

Telephone	(310) 207-3800
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**Signature**

Date \_\_\_\_\_

7/8/02

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